



TRABUCO CANYON WATER DISTRICT ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP | MAY 6, 2020

DIRECTORS PRESENT

Edward Mandich, Committee Chair
Stephen Dopudja, Committee Member

STAFF PRESENT

Fernando Paludi, General Manager
Michael Perea, District Secretary
Lorrie Lausten, Principal Engineer
Gary Kessler, Water Department Superintendent
Jason Stroud, Maintenance Department Superintendent
Karen Warner, Senior Accountant
Lisa Sangi, Administrative Assistant

PUBLIC PRESENT

None

CALL MEETING TO ORDER

Director Mandich called the May 6, 2020 Engineering/Operational Committee Meeting via Conference Call to order at 7:00 AM.

VISITOR PARTICIPATION

No comments were received.

ORAL COMMUNICATION

No comments were received.

COMMITTEE MEMBER COMMENTS

Director Dopudja expressed his hopes that District staff were safe and wished the best for their families.

Director Mandich echoed Director Dopudja's comments.

REPORT FROM THE GENERAL MANAGER

Mr. Paludi reported on the District's extended social distance practice through the end of May 2020 due to the spread of COVID-19, and he added that District staff is currently working on a business resumption plan consistent with State and local guidelines and recommendations. Mr. Paludi thanked the Committee member for their continued support of District staff during this period of uncertainty.

ITEM 1: ENGINEERING/OPERATIONAL COMMITTEE MEETING RECAP

Mr. Paludi presented the Engineering/Operational Committee Meeting Recap for Committee review in accordance with the agenda.

RECOMMENDED ACTION

The Committee recommended that the Engineering/Operational Committee Meeting Recap be forwarded to the Board of Directors for approval (Consent Calendar).

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ITEM 2: RIDGELINE BOOSTER PUMP STATION IMPROVEMENTS AND CAPACITY INCREASE PROJECT

Mr. Paludi presented this matter for Committee review, and he reported that this project was near completion. Ms. Lausten provided a brief project update, and she reviewed the project Construction Report for April 2020. Mr. Paludi provided an update regarding the ongoing discussions with the developer on the shared cost agreement.

RECOMMENDED ACTION

The Committee received the information concerning the matter.

ITEM 3: DOVE AND ROBINSON RANCH RECYCLED WATER PUMP STATION REHABILITATION PROJECT

Mr. Paludi presented this matter for Committee review, and he commended District staff on their dedication and work on this project. Ms. Lausten provided a brief project update and she reviewed project update photographs with the Committee. Discussion occurred concerning the facility upgrades and rehabilitation. Ms. Lausten reported that TESCO Controls has reported a delay related to the procurement of motor center control equipment for the SCADA improvements. Discussion occurred concerning ongoing public outreach with the homeowner association property managers related to availability of non-domestic water. Ms. Lausten provided an update on the reservoir inspection and related costs. The Committee commented on the importance of aesthetic considerations on the facility improvements due to its location.

RECOMMENDED ACTION

The Committee received the information concerning the matter.

ITEM 4: BELL CANYON SEWER LIFT STATION REHABILITATION PROJECT

Mr. Paludi presented this matter for Committee review, and he mentioned that action was recommended on this project. Ms. Lausten provided a brief project update, and she reported that District staff recommends a contract amendment with JIG Consultants for construction administration services related to the project. Ms. Lausten added that she had requested a proposal from GMU Geotechnical for a geotechnical site investigation based on feedback from the contractor job walk at the facility. Discussion occurred concerning public outreach to the surrounding residents; Ms. Lausten mentioned that she and Mr. Perea had a conversation with the Dove Canyon Master Association (DCMA) Board President and Property Manager to discuss the project and potential impacts.

RECOMMENDED ACTION

The Committee recommended the following actions:

- Recommend the Board of Directors ratify Contract Amendment No. 1 to JIG Construction in the amount of \$27,980 (Action Calendar).
- Recommend the Board of Directors ratify a contract with GMU Geotechnical, Inc. for Geological Site Investigation/Report in the amount of \$6,900 (Action Calendar).

ITEM 5: EL TORO SEWER LIFT STATION IMPROVEMENTS AND IRVINE RANCH WATER DISTRICT BUYOUT PROPOSAL

Mr. Paludi presented this matter for Committee review, and he mentioned that Hazen and Sawyer completed the El Toro Sewer Lift Station Preliminary Study and Cost Estimate Technical Memorandum. Ms. Lausten provided a review of the Technical Memorandum for the Committee, and she highlighted the facility rehabilitation cost estimates. Discussion occurred concerning the Irvine Ranch Water District buyout proposal and shared costs with Santa Margarita Water District.

RECOMMENDED ACTION

The Committee recommended forwarding the information to the Board of Directors (Action Calendar).

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ITEM 6: OTHER ENGINEERING AND OPERATIONS PROJECTS

1. Urban Water & Stormwater Runoff Conveyance Structure to Dove Lake (Spillway)

Ms. Lausten provided a brief project update and photos, she reported that the project is near completion. Mr. Stroud commented that the project proceeded according to plan and design. Discussion occurred concerning minor damages to a DCMA-owned gate and the planned repairs to be completed by the contractor.

2. SCADA Upgrade Project – Radio Field Study and Software Evaluation

Ms. Lausten provided a power point presentation and a brief project update for Committee review. Ms. Lausten reported that TESCO Controls is scheduled to complete the Radio Frequency Study in the coming weeks. Discussion occurred concerning project costs to date and planned improvements for the remainder of the year.

3. Dove Lake and Trabuco Reservoir Inspections

Ms. Lausten provided a project status update for Committee review, and she presented the Trabuco Reservoir and Dove Lake Intake Inspection Reports. Discussion occurred concerning the report findings and recommended repairs and facility rehabilitation. Mr. Paludi commented on the report findings and facility assessments, and he discussed the necessary planning for the repair and rehabilitation work. The Committee recommended that District staff reach out to engineering companies that specialize in these types of repairs to develop a budgetary estimate.

4. Other Projects

Mr. Paludi provided an update on The Oaks at Trabuco development, and he mentioned that District staff has met with the Developer and their engineering consultants to evaluate the condition of the onsite wastewater treatment facility equipment and appurtenances.

RECOMMENDED ACTION

The Committee received the information concerning the matter. There was no action taken.

ITEM 7: WATER SYSTEM UPDATES

Mr. Kessler reviewed the projects and repairs for April 2020, and he provided the additional highlights:

1. Water Operations staff repaired a two-inch (2”) air vacuum breaker service line at the intersection of El Toro Road and Portola Parkway that was damaged by a contractor working of the City of Lake Forest.
2. Water Operations staff replaced two domestic water services on Aspen Leaf in the Dove Canyon community.
3. Water Operations staff work with Maintenance staff and Hydrotech Electrical to troubleshoot and diagnose automatic backwashing-related issues at the Trabuco Creek Groundwater Treatment Facility.

Mr. Kessler reviewed the Monthly Water System Operations summary, and he reported that Trabuco Creek Groundwater Treatment Facility was currently producing approximately 600 gallons per minute to supplement production at the Dimension Water Treatment Plant.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 8: WASTEWATER SYSTEM UPDATES

Mr. Perea reviewed the projects and repairs for April 2020, and he provided the additional highlights:

1. Wastewater Operations staff cleared up debris and trash found at Shadow Rock Detention Basin Facility.

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2. Wastewater Operations staff performed the annual operational exercise of the Recycled Water Reservoir emergency valve.
3. Wastewater Operations staff assisted Water Operations staff with the replacement of the two domestic water services on Aspen Leaf in the Dove Canyon community.
4. Wastewater Operations staff de-ragged the pumps at Plano Trabuco Sewer Lift Station and cleaned the wet well.
5. Wastewater Operations staff assisted Ferreira Construction and Myers Marine (contractors) on the Dove/Robinson Ranch Recycled Water Pump Station capital improvement project.

Mr. Perea reviewed the Monthly Wastewater System Operations Summary, and he reported that non-domestic water demand has been low.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 9: MAINTENANCE DEPARTMENT UPDATES

Mr. Stroud reviewed the projects and repairs for April 2020, and he provided the additional highlights:

1. Maintenance Department staff worked with Ferreira Construction (contractor) and Rain for Rent (vendor) on the Dove/Robinson Ranch Recycled Water Pump Station capital improvement project.
2. Maintenance Department staff worked with Administrative Services staff to secure the Heritage Drive Utility/Service Access Road for public safety purposes.
3. Maintenance Department staff worked with Pacific Hydrotech (contractor) on the Ridgeline Booster Pump Station capital improvement project.
4. Maintenance Department staff worked with JES Construction (contractor) on the Urban Water & Stormwater Runoff Conveyance Structure to Dove Lake (Spillway) capital improvement project.

RECOMMENDED ACTION

The Committee received the status update. There was no action taken.

ITEM 10: OTHER MATTERS/REPORTS

None

RECOMMENDED ACTION

There was no action taken.

ADJOURNMENT

Director Mandich adjourned the May 6, 2020 Engineering/Operational Committee Meeting at 8:25 AM.